

rCat v0.1 Program for Relational Semantics

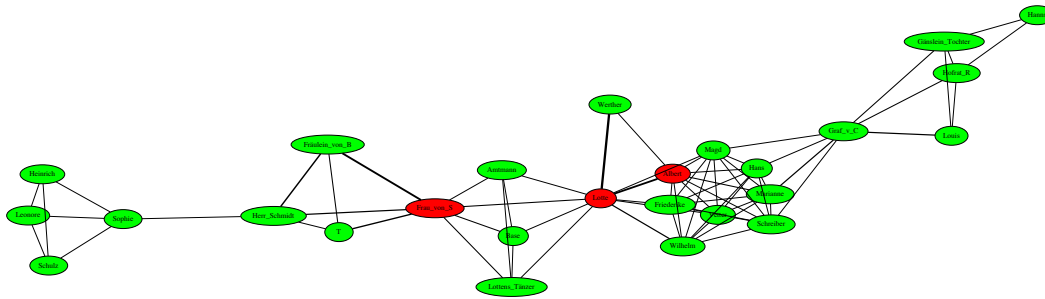


Figure 1: Network

1 Data Input

- analyzed text: "1Goethe_Werther_74_characters.txt"
- length of text: 102 tokens
- number of characters (with at least one degree): 26
- distance measure: 8
- context measure 1 (words before Character 1): 5
- context measure 2 (words after Character 2): 5

2 Network Parameters

- average degree: 5.384615384615385
- sd degree: 2.5624507499957625
- density: 0.2153846153846154

Degrees

Character (Node)	degree	weighted degree
Werther	2	21
Lotte	10	46
Albert	9	26
Wilhelm	8	13
Vetter	8	12
Friederike	8	11
Magd	9	11
Schreiber	8	10
Hans	8	10
Marianne	8	19
Graf v. C.	7	17
Louis	3	7
Gänslein Tochter	4	7
Hofrat R . .	4	9
Hanns	2	3
Amtmann	4	4
Base	4	6
Lottens Tänzer	4	6
Frau von S . .	7	30
T . .	3	10
Fräulein von B . .	3	20
Herr Schmidt	4	13
Sophie	4	4
Leonore	3	3
Schulz	3	3
Heinrich	3	3

Weights for Edges

Character Pair (Edge)	Weight
Werther -- Lotte	20
Werther -- Albert	1
Lotte -- Albert	10
Lotte -- Wilhelm	4
Lotte -- Vetter	3
Lotte -- Friederike	2
Lotte -- Magd	1
Lotte -- Amtmann	1
Lotte -- Base	1
Lotte -- Lottens Tänzer	1
Lotte -- Frau von S . .	3
Albert -- Wilhelm	2
Albert -- Vetter	2
Albert -- Friederike	2
Albert -- Magd	2
Albert -- Schreiber	2
Albert -- Hans	2
Albert -- Marianne	3
Wilhelm -- Vetter	1
Wilhelm -- Friederike	1
Wilhelm -- Magd	1
Wilhelm -- Schreiber	1
Wilhelm -- Hans	1
Wilhelm -- Marianne	2
Vetter -- Friederike	1
Vetter -- Magd	1
Vetter -- Schreiber	1
Vetter -- Hans	1
Vetter -- Marianne	2
Friederike -- Magd	1
Friederike -- Schreiber	1
Friederike -- Hans	1
Friederike -- Marianne	2
Magd -- Schreiber	1
Magd -- Hans	1
Magd -- Marianne	2
Magd -- Graf v. C.	1
Schreiber -- Hans	1
Schreiber -- Marianne	2
Schreiber -- Graf v. C.	1
Hans -- Marianne	2
Hans -- Graf v. C.	1
Marianne -- Graf v. C.	4
Graf v. C. -- Louis	4
Graf v. C. -- Gänslin Tochter	3
Graf v. C. -- Hofrat R . .	3
Louis -- Gänslin Tochter	1
Louis -- Hofrat R . .	2
Gänslin Tochter -- Hofrat R . .	2
Gänslin Tochter -- Hanns	1
Hofrat R . . -- Hanns	2
Amtmann -- Base	1
Amtmann -- Lottens Tänzer	1
Amtmann -- Frau von S . .	1
Base -- Lottens Tänzer	1
Base -- Frau von S . .	3
Lottens Tänzer -- Frau von S . .	3

3 Word Cloud for single characters



Figure 2: word cloud of "Lotte"



Figure 3: word cloud of "Albert"



Figure 4: word cloud of "Frau von S . ."

4 Word Cloud for character pairs



Figure 5: word cloud of "Werther -- Lotte"

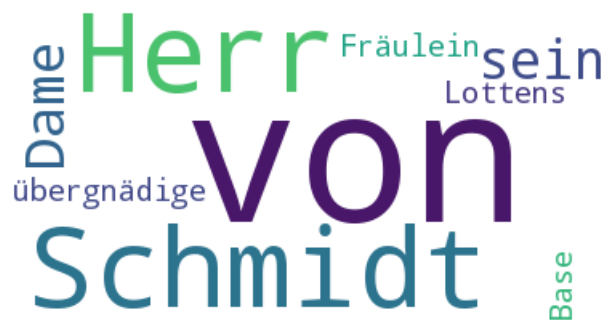


Figure 6: word cloud of "Frau von S . . -- Fräulein von B . ."

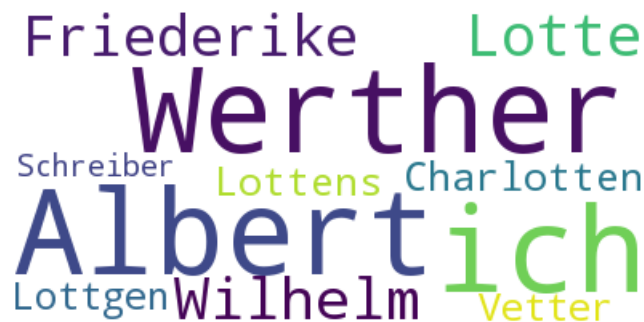


Figure 7: word cloud of "Lotte -- Albert"

rCat, v.0.1

This program is developed by Dr. Roman Klinger, Sandra Murr, Evgeny Kim and Florian Barth. It is part of the Center for Reflected Text Analytics (CRETA) at the University of Stuttgart.

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